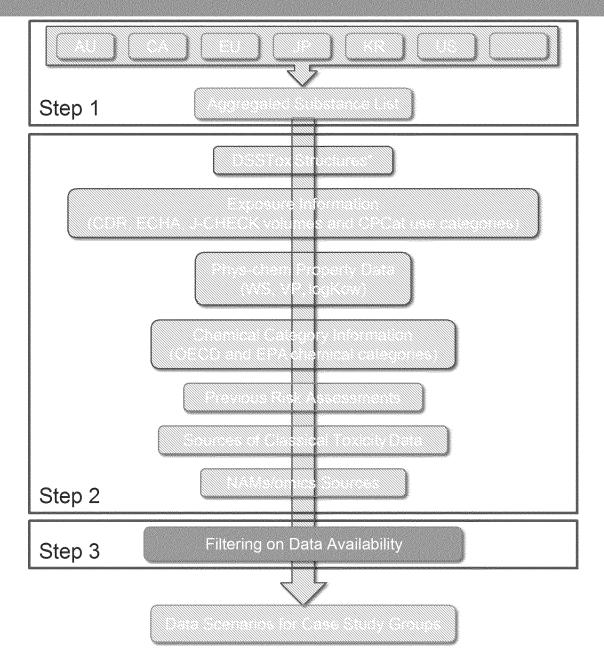
# EPAAccelerating RA Workshop: Master chemical list selection

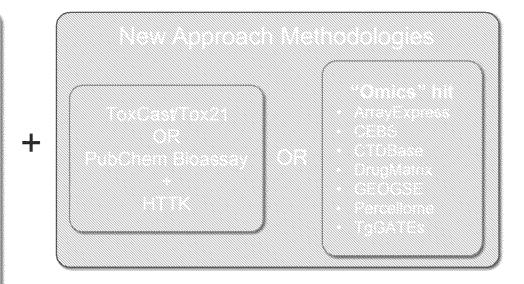
Health Canada 2016 08 26

## Workflow



<sup>\*</sup>Substances without defined chemical structures in DSSTox where filtered out at this step

# Scenario 1 – Data-Rich Retrospective: Risk Assessment and NAMs

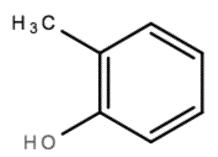


### Possible Case Studies:

- Investigate where new approach methodologies can support existing risk decisions in order to gain confidence in NAM application
- Compare risk metrics from traditional risk assessments with risk metrics based on new approach methodologies (keeping in mind "fit for purpose")

Scenario	# Subs
1	979
1a	203
(ToxCast/Tox21or	
PubChem with HTTK)	

### Scenario 1 – Example chemical categories



alkyl phenols (18) Pro: NITE, Japan MOE, HC Retro: EPA, ECHA, EFSA

N-alkyl carboxylic acids (13)
Pro: NITE, HC, INERIS, Japan MOE
Retro: EFSA, EPA, ECHA

phthalates (11)
Pro: EPA TSCA, Japan MOE
Retro: ECHA, HC, NICNAS, EFSA

triazoles (10)
Pro: EFSA, Japan MOE
Retro: ECHA

## Scenario 2 – Retrospective: Classical Hazard + NAMs





### Possible Case Studies:

- Integrate NAMs and traditional data into IATA based assessment
- Investigate how NAMs and traditional data contrast and complement each other for prioritization

	Scenario	# Subs
	2	326
2a (Tox2	21 or PubChem with HTT	K) 27

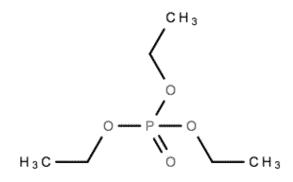
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### Scenario 2 – Example chemical categories

alkyl phenols (4)

Pro: HC, INERIS

Pro/Retro: ECHA dossiers



alkyl phosphates (4)

Pro: INERIS, HC

Pro/Retro: ECHA dossiers

dicarboxylates (6)

Pro: HC

Pro/Retro: ECHA dossiers

# Scenario 3 – Prospective: Classical Hazard + No NAMs

### Possible Case Studies:

 Prioritize NAM testing to help address data gaps?

Note: No determination on the amount of data /quality for these chemicals has been made yet

Scenario # Subst	ances
3 430	0

# Scenario 4 – Prospective:

No Classical Hazard and No NAMs but Potential for Exposure

-

### **Possible Case Studies:**

- Identify candidates for NAM testing
- Prioritization or assessment based on QSAR/read-across?

So	enari	0	#Su	bstan	ces
	4			14	